



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

plateaus, Arizona, collected by Messrs. J. H. Ferriss and L. E. Daniels in 1909. Mr. Clarence B. Moore and Mr. Y. Hirase have continued to contribute valuable material.

Through illness the Department was deprived of the services of Mr. Vanatta during six months of the year, but he took advantage of the period of convalescence to collect an extensive and valuable series of the mollusks of Bermuda. Mr. Vanatta has demonstrated that Bermuda has a fresh-water fauna containing no less than five genera of mollusks. Hitherto it has been supposed that no native fresh-water mollusks existed there.

Work on the MANUAL OF CONCHOLOGY has been directed to the Hawaiian family *Achatinellidæ*.

Papers have been published by the Special Curator during the year on the mollusks of Mexico; of the Chiricahua Mountains, Arizona; on land mollusks of Panama, and of Jamaica (in collaboration with Dr. Brown); on Haitian Oligocene fossils, etc. Mr. Vanatta has prepared a paper on the mollusks of Bermuda for publication in the PROCEEDINGS.

The Special Curator spent three months, beginning August 15th, in the exploration of southern New Mexico and Arizona, in company with Messrs. Ferriss and Daniels. The Hachita Grande, Santa Rita, Baboquivari, Dragoon and other mountain ranges were studied. It is believed that the observations made will add materially to our knowledge of the zoogeography of the arid southwest. The collections are also interesting systematically, since a large number of species new to science was encountered.

HENRY A. PILSBRY,  
*Special Curator.*

---

## REPORTS OF THE SECTIONS.

### BIOLOGICAL AND MICROSCOPICAL SECTION.

Nine regular and eight informal meetings have been held during the year, with the usual attendance. The membership is the same in number as last year, one resignation having occurred and one new member being admitted. In accordance with custom, the proceedings at the meetings have consisted chiefly of oral communications, in which each member present has shared, of microscopical studies, many of which have represented original work. It is to be regretted that

in an association composed of amateurs whose time is limited work of much scientific value is impossible. There are lines, however, along which the Section may direct good work and it is suggested that a descriptive catalogue of the local cryptogamic flora, not heretofore published, be attempted, in conjunction, possibly, with other Sections of the Academy.

Among papers presented and published are two by Mr. T. Chalkley Palmer: *A New Diatom*, and *Stauroneis Terryi*.

At a special meeting of the Section held in April, in the Library of the Academy, an exhibition of microscopical objects was presented to a large audience. A number of papers also were read and are noted in the PROCEEDINGS.

The officers elected for the ensuing year are as follows:

<i>Director</i> .....	J. Cheston Morris, M.D.
<i>Vice-Director</i> .....	T. Chalkley Palmer.
<i>Recorder</i> .....	Charles S. Boyer.
<i>Treasurer</i> .....	Thomas S. Stewart, M.D.
<i>Curator</i> .....	F. J. Keeley.
<i>Corresponding Secretary</i> .....	Silas L. Schumo.

CHARLES S. BOYER,  
*Recorder.*

#### ENTOMOLOGICAL SECTION.

The scientific communications made to the Section during the year have been published in the ENTOMOLOGICAL NEWS. This journal has completed its twenty-first volume with the December number for this year. For 1910, 484 pages and 14 plates were issued.

The usual meetings of the Section have been held, with an average attendance of nine persons.

Two members and two associates have been elected. The additions to the collection have been numerous. Mr. Morgan Hebard presented 1,047 specimens of Orthoptera and 3,605 specimens of the same order were purchased by the Academy. In all 5,957 insects were added to the collections.

One hundred and fifty boxes have been acquired to accommodate this growth. The safety and rearrangement of the collection has had the usual care, and with the improvement in cases and boxes the danger from museum pests has been greatly decreased.

The entire exotic series of Orthoptera, the North American Forficulidæ, Blattidæ, Mantidæ, Phasmidæ and Gryllidæ have been

rearranged, together with the duplicate Hymenoptera, the collection of galls and the Dipterous family Stratiomyidæ.

A large part of the Micro-lepidoptera has been relaxed and mounted and nearly the entire series of North American Rhopalocera has been rearranged. Much of the Hemiptera has been recently studied and named by a specialist. The incorporation of the additions to the collection has taken much time, and the Section is indebted to those students not directly responsible for the work.

Mr. Rehn has had charge of the Orthoptera and Dr. Calvert has continued to care for the large and valuable collection of Odonata. Mr. E. T. Cresson is working on the arrangement of parts of the collection of Hymenoptera.

The Conservator represented the Academy at the First International Entomological Congress, held in Brussels, Belgium, last August.

This meeting demonstrated the great importance of entomology from a practical or economic standpoint, particularly that branch of economic entomology relating to the dissemination of disease by insects and the carriage of germ diseases to man.

The following persons were elected officers to serve for the ensuing year:

<i>Director</i> .....	Philip Laurent.
<i>Vice-Director</i> .....	H. W. Wenzel.
<i>Treasurer</i> .....	E. T. Cresson.
<i>Conservator</i> .....	Henry Skinner.
<i>Recorder</i> .....	Henry Skinner.
<i>Secretary</i> .....	E. T. Cresson, Jr.
<i>Publication Committee</i> .....	E. T. Cresson, E. T. Cresson, Jr.

#### BOTANICAL SECTION.

Five double wooden cases, which had to be moved from the north room owing to the change of windows on Race Street, were transferred to the local herbarium, the plants contained in them being moved into new dust- and insect-proof metal cases. But little work has been done on the arrangement of the herbarium owing to the remodelling of the building, though the preparation and mounting of specimens has gone on with but little interruption.

Some important additions have been made to the collections during the year. The Conservator spent about a month in Jamaica and brought back a collection of more than 850 sheets. Mr. Joseph Crawford spent

about the same length of time in Panama and Jamaica, adding about 800 sheets, and more than 100 sheets from Jamaica and Cuba have been received in exchange from the New York Botanical Garden. On the Academy's expedition to Arizona and New Mexico, in the latter part of the year, Dr. Pilsbry collected nearly 800 sheets of plants, and 640 sheets, principally from Nevada and California, have been purchased by the Section from Mr. A. A. Heller. Other collections, aggregating about 400 sheets, have been received from B. H. Smith, Dr. C. D. Fretz, Witmer Stone and Charles S. Williamson.

The work in the local herbarium has been carried on with greater effect than during any previous year, the 3,511 sheets added by the members of the Philadelphia Botanical Club having been mounted and distributed by Mr. Samuel S. Van Pelt. Much valuable work, especially in studying some of the more complex groups, has been done by Mr. Bayard Long.

During the year a small printing outfit was added to the equipment of the herbarium, resulting in the saving of much time and labor in label writing, besides insuring uniformity in style and size of labels. Acknowledgment is here made of the continued assistance in the herbarium during the year of Miss Ada Allen.

At the annual meeting of the Section, held on December 6, the following were elected as officers for the year:

<i>Director</i> .....	Benjamin H. Smith.
<i>Vice-Director</i> .....	Joseph Crawford.
<i>Secretary and Recorder</i> .....	Charles S. Williamson.
<i>Treasurer and Conservator</i> .....	Stewardson Brown.

Respectfully submitted,

STEWARDSON BROWN,

*Conservator.*

#### MINERALOGICAL AND GEOLOGICAL SECTION.

The Section has this year held five meetings, besides meeting once (May 17) in conjunction with the Academy. Communications were made by Mr. S. L. Schumo, with his own photographic illustrations, on pot-holes at the Falls of Schuylkill; by Prof. Chester A. Reeds, on the geology of the Arbuckle Mountains, Oklahoma; by Dr. Edgar T. Wherry, on copper deposits of Franklin and Adams Counties, Pa., besides various shorter communications and discussions.

There were seven field excursions of the Section, with an average attendance of about twenty-five. The excursions visited: (1) The

crystalline rocks, old Paleozoic rocks and a trap dike near Lafayette, Marble Hall and Spring Mill, Montgomery County; (2) The crystalline rocks south of West Chester; (3) The New Red and crystalline rocks near Langhorne, Bucks County; (4) The crystalline rocks between Newtown Square and Wallingford, Delaware County; (5) The minerals and fossils near Mullica Hill, N. J.; (6) The crystalline rocks near Paoli and Castle Rock, Delaware County; (7) The New Red rocks near the Buckingham Mountain fault, in Bucks County.

The membership of the Section has increased by one associate member.

The following officers of the Section have been elected for the year 1911:

<i>Director</i> .....	Benjamin Smith Lyman.
<i>Vice-Director</i> .....	Frank J. Keeley.
<i>Recorder and Secretary</i> .....	S. L. Schumo.
<i>Treasurer</i> .....	William B. Davis.
<i>Conservator</i> .....	George Vaux, Jr.

Respectfully submitted by order of the Section.

BENJAMIN SMITH LYMAN,  
*Director.*

#### ORNITHOLOGICAL SECTION.

As was the case last year, work in the Ornithological department has been seriously handicapped by the absence of Mr. Rehn in the West during three months and the general curatorial work that has devolved upon the Conservator. Nevertheless, much progress has been made in the arrangement of the collection. All of the remaining mounted birds, with the exception of the humming-birds, have been identified and labelled, practically completing this important piece of work.

In the study collection all of the families of Passerine birds from the thrushes to the crows, comprising some 450 drawers of skins, have been reidentified and rearranged, while all the species represented in the collection have been checked off in Sharpe's *Hand List of Birds*, so that it will soon be possible to see at a glance exactly what species the Academy possesses in each family.

Labels have also been placed on all the drawers as far as the Turdidæ.

Twelve metal cases were procured during the year, part of which were used in the rearrangement of the Passeres, while the others were

allotted to the type specimens, which were carefully examined and rearranged systematically.

Among the important accessions of the past year may be mentioned the local collection of Mr. F. Guy Meyers, a valuable series of Chihuahuan birds presented by Dr. William E. Hughes, and a series of Cost Rican birds obtained by purchase.

The Delaware Valley Ornithological Club, Spencer Baird Ornithological Club and Pennsylvania Audubon Society have held their meetings at the Academy during the year.

The Conservator is indebted to Mr. J. A. G. Rehn for valuable assistance in cataloguing and for preparing the labels for the mounted birds, and to Mr. E. J. F. Marx, of the Delaware Valley Club, who spent several weeks as voluntary assistant in rearranging portions of the collection.

At the annual meeting the following officers were elected.

<i>Director</i> .....	Spencer Trotter, M.D.
<i>Vice-Director</i> .....	George Spencer Morris.
<i>Recorder</i> .....	Stewardson Brown.
<i>Secretary</i> .....	William A. Shryock.
<i>Conservator and Treasurer</i> .....	Witmer Stone.

WITMER STONE,  
*Conservator.*

The annual election of Officers, Councillors and Members of the Committee on Accounts to serve during 1919 was held, with the following result:

PRESIDENT.....	Samuel G. Dixon, M.D., LL.D.
VICE-PRESIDENTS.....	Edwin G. Conklin, Ph.D., Sc.D. John Cadwalader.
RECORDING SECRETARY.....	Edward J. Nolan, M.D.
CORRESPONDING SECRETARY.....	J. Percy Moore, Ph.D.
TREASURER.....	George Vaux, Jr.
LIBRARIAN.....	Edward J. Nolan, M.D.
CURATORS.....	Samuel G. Dixon, M.D., LL.D., Henry A. Pilsbry, Sc.D., Witmer Stone, Henry Tucker, M.D.
COUNCILLORS TO SERVE THREE YEARS..	Thomas H. Fenton, M.D., Edwin S. Dixon, Henry Skinner, M.D., Robert G. LeConte, M.D.

## COUNCILLOR FOR UNEXPIRED TERM OF

ONE YEAR.....	William E. Hughes, M.D.
COMMITTEE ON ACCOUNTS.....	Charles Morris, Samuel N. Rhoads, John G. Rothermel, Thomas H. Montgomery, Ph.D., Frank J. Keeley.

## COUNCIL FOR 1911.

- Ex-Officio*.—Samuel G. Dixon, M.D., LL.D., Edwin G. Conklin, Ph.D.,  
John Cadwalader, Edward J. Nolan, M.D., J. Percy Moore, Ph.D.,  
George Vaux, Jr., Henry A. Pilsbry, Sc.D., Witmer Stone and  
Henry Tucker, M.D.
- To serve three years*.—Thomas H. Fenton, M.D., Edwin S. Dixon,  
Henry Skinner, M.D., Robert G. LeConte, M.D.
- To serve two years*.—Philip P. Calvert, Ph.D., Thomas Biddle, M.D.,  
Frederick Prime Frank J. Keeley.
- To serve one year*.—Charles B. Penrose, M.D., Charles Morris, Spencer  
Trotter, M.D., William E. Hughes, M.D.

CURATOR OF MOLLUSCA.....	Henry A. Pilsbry, Sc.D.
ASSISTANT LIBRARIAN.....	William J. Fox.
ASSISTANTS TO CURATORS.....	Henry Skinner, M.D., Stewardson Brown, J. Percy Moore, Ph.D., Edward Vanatta, Henry W. Fowler, James A. G. Rehn, Ezra T. Cresson, Jr.
AID IN ARCHÆOLOGY.....	Harriet Newell Wardle.
AID IN HERBARIUM.....	Ada Allen.
ASSISTANT IN LIBRARY.....	Furman Sheppard Wilde.
<i>Taxidermist</i> .....	David N. McCadden.
<i>Janitors</i> .....	Charles Clappier, Daniel Heckler, James Tague, Jacob Aebley, Adam E. Heckler.